ENVIRONMENTAL CHEMISTS

Date of Report: 05/29/98 Date Received: 05/21/98

Project: Metro Self-Monitor, PO# M11160

Date Samples Extracted: 05/28/98
Date Extracts Analyzed: 05/28/98

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC USING METHOD 6010

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

Sample ID		Chromium	Copper	Nickel	Zinc
M11160		0.51	0.32	0.55	0.12
Method Blan	ık	< 0.05	<0.05	<0.05	< 0.05

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Date of Report: 05/29/98 Date Received: 05/21/98

Project: Metro Self-Monitor, PO# M11160

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 805060-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.68	0.67	Na qilini avali	0-20
Copper	mg/L (ppm)	0.37	0.36	3	0-20
Nickel	mg/L (ppm)	0.60	0.60	0	0-20
Zinc	mg/L (ppm)	0.07	0.07	0	0-20

Laboratory Code: 805060-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recov	ery % Recover	y Acceptance	
Analyte	 Units	Level	Result	MS	MSD	Criteria	RPD
Chromium	mg/L (ppm)	5	0.68	93	94	80-120	1
Copper	mg/L (ppm)	5	0.37	94	99	80-120	5
Nickel	mg/L (ppm)	10	0.60	94	97	80-120	š
Zinc	mg/L (ppm)	5	0.07	95	97	80-120	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recove	ry % Recov LCSI		e RPD)
Chromium	mg/L (ppm)	5	103	105	80-120	2	
Copper	mg/L (ppm)	5	103	106	80-120	$\bar{3}$	
Nickel	mg/L (ppm)	10	104	104	80-120	Ŏ	
Zinc	mg/L (ppm)	5	104	104	80-120	0	

Received on 5-21-48

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

PJ# 805109

SAMPLE CHAIN OF CUSTODY

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FORMS/COC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

May 29, 1998

DUPLICATE COPY

INVOICE #98ACU0529-1

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro Self-Monitor, PO# M11160: Results of testing requested by Gerry Thompson for material submitted on May 21, 1998.

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

May 29, 1998

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 21, 1998 from your Metro Self-Monitor, PO# M11160 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN, & BRUYA, INC.

Manuel Marti Project Manager

Enclosures